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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/535,842	03/28/2000	David W. Miller	99-082-TAP	5069
75	90 11/16/2004		EXAMINER	
Timothy R Schulte			RAO, SHEELA S	
Storage Technology Corporation One Storage Tek Drive			ART UNIT	PAPER NUMBER
MS-4309 Louisville, CO 80028-4309			2125	
			DATE MAILED: 11/16/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.



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*	Application No.	Applicant(s)	a d
	09/535,842	MILLER ET AL.	·
Office Action Summary	Examiner	Art Unit	
	Sheela Rao	2125	
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet	with the correspondence addre	ss
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above, the maximum statutory perion of the period for reply is specified above, the maximum statutory perion for reply within the set or extended period for reply will, by state that the period for reply within the set or extended period for reply will, by state that the material patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may reply within the statutory minimum of tood will apply and will expire SIX (6) Moute, cause the application to become	a reply be timely filed hirty (30) days will be considered timely. DNTHS from the mailing date of this common ABANDONED (35 U.S.C. § 133).	unication.
Status			
1) ☐ Responsive to communication(s) filed on 23 2a) ☐ This action is FINAL. 2b) ☐ This action is FINAL. 2b) ☐ This action is application is in condition for allow closed in accordance with the practice under	his action is non-final. wance except for formal ma	·	erits is
Disposition of Claims			
4) ☐ Claim(s) 1-21 is/are pending in the application 4a) Of the above claim(s) is/are withd 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-21 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	rawn from consideration.		
Application Papers			
9) ☐ The specification is objected to by the Exami 10) ☑ The drawing(s) filed on 28 March 2000 is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the corn 11) ☐ The oath or declaration is objected to by the	e: a) \boxtimes accepted or b) \square on the drawing (s) be held in abey ection is required if the drawing.	ance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 CFR 1	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for forei a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a li	ents have been received. ents have been received in riority documents have bee eau (PCT Rule 17.2(a)).	Application No en received in this National Sta	ge
Attachment(s)		-	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/OPaper No(s)/Mail Date 	Paper N	v Summary (PTO-413) b(s)/Mail Date f Informal Patent Application (PTO-15; 	2)

1. Applicant's amendment filed along with the request for RCE on 23 August 2004 has been entered

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and considered.

Claims 1-21 are present in the application. Claims 1, 10, and 17 have been amended. Claims 1-

21 are pending and presented for examination.

Response to Amendment

3. The rejection of claims 1-21 as being unpatentable over Miyoshi, et al. (USP 5,646,917) in view of

Heidelberg, et al. (USPN 5,486,727) is maintained and restated below.

Miyoshi, et al. discloses a device for stocking a plurality of CDs wherein a horizontal carrier or

robotic element is used to be moved along guide rails of the frame of the stocking device or library. The

library system of the patented invention comprises a plurality of openings for storing discs, also a guide

rail is provided so that the carrier can slide to carry the discs to their respective slots. See figure 1.

Miyoshi also teaches the use of a plurality of coils positioned equidistantly within the proximity of the rails.

With regard to claims 1-4, see column 3: lines 29-52.

The prior art further teaches the use of magnetic forces to move the carrier or robotic element

between the guide rails, as per the limitations of instant claims 10-15. See column 3: line 64 to column 4:

line 34.

As per the last paragraph of instant claim 1 and the limitations set forth by instant claims 5-9 and

16-21, Miyoshi, et al. does not teach the use of a secondary coil to inductively couple for powering the

drive mechanism. The drive mechanism of the horizontal carrier or robot as taught by Miyoshi comprises

a magnet which when combined with the primary coils, within the guide rails, powers the movement of the

unit. The reference of prior art to Heidelberg, et al. teaches the use of multiple coils which produces and

allows for the flow of a magnetic field. Furthermore, the reference teaches that coils would be a probable

and possible replacement for magnets since magnets tend to slow down movement and acceleration

since they have a higher mass compared to that of coils. Over time, magnets tend to produce relatively

weaker fields thereby loosing their productive potential. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated multiple coils for powering the drive mechanism of the carrier stocker system of Miyoshi, et al. so as to maintain and improve efficiency, as well as to reduce weight and expenses. See Heidelberg, et al., column 2: lines 33-48.

For the reasons stated above, the limitations of the claimed invention are taught by the prior arts of record; thereby, rendering the instant claims unpatentable.

Response to Arguments

4. Applicant's arguments filed August 23, 2004 have been fully considered but they are not persuasive.

Applicants have not provided any persuasive arguments regarding the references of prior art that has been applied to the limitations of the instant claims. The remarks that Applicant has made, beginning on page 8 of the response filed, do not provide any basis for which to withdraw the rejection made under 35 USC §103(a) to claims 1-21. Paragraph 3 on page 8 merely describes the claims with regard to the elements of the instant invention and paragraph 4 on page 8 continuing on page 9 only conveys the teachings of the patented references over which the claims have been rejected. Paragraph 5 on page 9 makes general allegations of what the references do not teach but does not make any specific statements as to what has not been taught or fairly suggested by the applied references. Paragraph 5 is a conclusory statement regarding the 35 USC §103(a) rejection. No reference or guidance as to what aspect or element of the claim language is lacking in the prior arts of reference has been provided. Furthermore, no particular portion or limitation of the claim language has been cited as not having been taught or fairly suggested. Paragraph 6 on page 9 is no different from the aforementioned paragraphs in citing any perceived deficiencies with regard to the references based on the claimed limitations. Paragraph 6 is a simplified explanation of what is set forth by instant claim 10.

Upon consideration of Applicant's remarks as such, the Examiner is unable to withdraw the rejection of claims 1-21 as being unpatentable over Miyoshi et al. (USPN 5,646,917) in view of Heidelberg

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et al. (USPN 5,486,727) under the statutes of 35 USC §103(a) nor is she convinced that the instant claims are allowable over the prior arts of record.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheela Rao whose telephone number is (571) 272-3751. The examiner can normally be reached Tuesday - Thursday from 9:00 am to 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Picard, can be reached on (571) 272-3749.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231

or faxed to:

(703) 305-3718 for Official Communications

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

L- P.P.

Sheela S. Rao

November 10, 2004

LEO PICARD SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2100